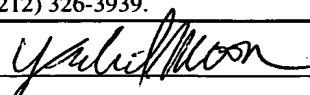


Express Mail No. EV452775665US

FORM PTO-1390 (REV. 7-2004)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER 11281-076
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		U.S. APPLICATION NO. (if known, see 37CFR 1.5) <div style="font-size: 1.5em; font-weight: bold;">10/542168</div> <div style="font-size: 0.8em;">To Be Assigned</div>
INTERNATIONAL APPLICATION NO. PCT/KR2003/001155	INTERNATIONAL FILING DATE June 12, 2003	PRIORITY DATE CLAIMED January 17, 2003
TITLE OF INVENTION  <div style="text-align: center; font-weight: bold;">MULTI-LAYERED CARBON NANOBALL FOR DEODORIZATION</div>		
APPLICANT(S) FOR DO/EO/US Jong-Yun KIM, Jun-Yeob SONG, Seung-Kyu PARK, Yun-Seog KANG, Suk-Bon YOON, Jong-Sung YU		
Applicant herewith submits to the United States Designated/ Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The U.S. has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (EXECUTED)</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>		
<b>Items 11. to 20. below concern document(s) or information included:</b>		
<ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute amendment.</li> <li>16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter 2 and 37 CFR 1.821- 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: Copy of PCT publication WO 04/064877 (A1); Copy of International Preliminary Examination Report; Copy of PCT Demand; Copy of International Search Report; Copy of Notification of the Recording of a Change; Copy of Information Concerning Elected Offices Notified of Their Election; Copy of Notification Concerning Submission or Transmittal of Priority Document; Copy of PCT Request; and copy of Notification of Transmittal of International Preliminary Examination Report.</li> </ol>		

US APPLICATION NO. (If known, see 37 CFR 1.51) To Be Assigned <b>10/542168</b>		INTERNATIONAL APPLICATION NO. PCT/KR2003/001155		ATTORNEY'S DOCKET NUMBER 11281-076	
21. The following fees are submitted: <b>BASIC NATIONAL FEE:</b> <input checked="" type="checkbox"/> a) Basic national fee ..... <b>\$300.00</b> <input checked="" type="checkbox"/> b) Examination fee ..... Was the International Preliminary Examination Report prepared by the USPTO and do all filed claims in this U.S. application satisfy provisions of PCT Article 33(1)-(4) (i.e., novelty, inventive step and industrial capability)? ..... <input type="checkbox"/> i) Yes (\$100.00) ..... <input checked="" type="checkbox"/> ii) No (\$200.00) ..... <b>\$200.00</b> <input checked="" type="checkbox"/> c) Search fee ..... Was the USPTO the International Searching Authority? ..... <input type="checkbox"/> i) Yes (\$100.00) ..... ii) If no: <input checked="" type="checkbox"/> (a) An International Search Report will be provided to the USPTO on or before payment of the search fee. (\$400.00) ..... <input type="checkbox"/> (b) No International Search Report will be provided to the USPTO. (\$500.00) ..... <b>\$400.00</b>  <b>TOTAL OF CALCULATIONS =</b>				\$	\$900.00
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing of computer programs listing filed in electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets 0 -100	Extra Sheets 0 /50	Number of each additional 50 or fraction thereof (round up to a whole number).	RATE x 250.00		\$0.00
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).				\$	\$0.00
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE X		
Total Claims	6 - 20	0	x \$50.00		\$0.00
Independent Claims	1 - 3	0	x \$200.00	=	\$0.00
<input checked="" type="checkbox"/> MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ 360.00		\$360.00
<b>TOTAL OF ABOVE CALCULATIONS=</b>				= \$	\$1260.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 50%				- \$	\$0.00
<b>SUBTOTAL =</b>				\$	\$1260.00
Surcharge of \$130.00 for furnishing the English Translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).					\$0.00
<b>TOTAL NATIONAL FEE</b>				= \$	\$1260.00
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). 0 x \$40.00 per property				\$	\$0.00
<b>TOTAL FEES ENCLOSED</b>				= \$	\$1260.00
				<b>Amount to be refunded:</b>	
				<b>charged:</b> 1260.00	
a. <input type="checkbox"/> A check in the amount of _____ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> This is an estimate of the fees due. Please charge Deposit Account No. 50-3013 to cover the required fees. A copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-3013. A copy of this sheet is enclosed.  <b>Note: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be          filed and granted to restore the International Application to pending status.</b> 22. <input type="checkbox"/> Other instructions 23. <input checked="" type="checkbox"/> All correspondence for this application should be mailed to JONES DAY, 222 East 41 <sup>st</sup> Street, New York, New York 10017 24. <input checked="" type="checkbox"/> All telephone inquiries should be made to (212) 326-3939.					
Yeahsil Moon (52,042) for Anthony M. Insogna		 SIGNATURE		Ref No. 52,042 35,203 REG. NO.	
NAME		SIGNATURE		DATE July 12, 2005	